

**PROVIDING ASSISTANCE FOR EDITING MARKUP DOCUMENT BASED ON  
INFERRED GRAMMAR**

**ABSTRACT**

5       Methods and apparatus are provided for assisting a user who is editing a markup  
document on a computer. The user is presented with the markup document on a display  
of the computer for editing and provided with grammatical assistance based on a  
grammar inferred from current content of the markup document. The grammar may be  
inferred and updated automatically after the markup document is loaded or edited. The  
10       assistance provided may be based on a combination of an inferred grammar and a real  
grammar. The markup document can be an extensible markup language (XML)  
document.